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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/784,019	02/20/2004	Jozef Johannes Maria Hulshof	NL03 0156US	1640

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EXAMINER

LIE, ANGELA M

ART UNIT PAPER NUMBER

2821

DATE MAILED: 08/29/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

AK

Office Action Summary	Application No.	Applicant(s)	
	10/784,019	HULSHOF ET AL.	
	Examiner	Art Unit	
	Angela M. Lie	2821	

– The MAILING DATE of this communication appears on the cover sheet with the correspondence address –
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
 - If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
 - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
 - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 07 August 2005.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-8 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-8 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 20 February 2004 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☒ None of:
1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Priority

1. Acknowledgment is made of applicant's claim for priority under 35 U.S.C. 119(a)-(d) based upon an application filed in Europe on 02/02/2003. A claim for priority under 35 U.S.C. 119(a)-(d) cannot be based on said application, since the United States application was filed more than twelve months thereafter.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

3. Claims 1-8 are rejected under 35 U.S.C. 102(b) as being anticipated by Onozawa et al (US 5717296).

As to claims 1 and 7, Onozawa et al disclose display device comprising a first and a second multiresonant section arranged in series (Figure 1 element 65), the cathode ray tube deflection coil (Figure 1 element 7) in series with a trace capacitor (Figure 1, element 8) being comprised in the first section (the upper part of circuitry 65 is defined to be a first section), and the second section comprising an inductor (Figure 1 element 9, where the bottom part of circuitry 65 is considered to be the second section), each section providing a common trace period and a common retrace period to provide a flyback of the sawtooth current (as it can be seen from figures 11b and 11f, the first and second section does provide trace and retrace period in order to generate sawtooth

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current), and the circuit arrangement comprising a current control circuit (Figure 1 element 81), coupled to the inductor without a second trace capacitor coupled therebetween (as shown in figure 1, trace capacitor 10, is not placed between current control circuit and inductor 9, it is rather placed between the inductor 9 and ground), the current control circuit controlling the course of the sawtooth current (as shown in figure 1 element 81 and 9).

As to claim 2, Onozawa et al disclose the circuit arrangement wherein the current control circuit is a current switching circuit (Figure 1 elements 19 and 20, those two elements are capable of switching current, element 19 can be switched by varying voltage at the base and emitter).

As to claim 3, Onozawa et al disclose the circuit arrangement wherein the current control circuit is coupled between two supply voltages of the circuit arrangement (as shown in figure 1 element 81 and Vcc and GRD).

As to claim 4, Onozawa et al disclose the circuit arrangement wherein current control circuit is arranged to effect a cathode ray tube east-west correction (since the control circuit, Figure 1 element 81, is a pulse width control output circuit, as it name says it controls the width of the pulse therefore it affects the cathode ray tube correction, therefore the circuit as disclosed by Onozawa et al is capable of east-west correction, column 5 lines 22-31).

As to claim 5, Onozawa et al disclose the circuit arrangement wherein the cathode ray tube east-west correction is effected by dynamically adjusting a current switching point in time marking a start of the trace period (Figures 11d and 11f, the fact

that east-west correction if effected by dynamically adjusting a current switching point is an inherent feature, Onozawa et al teach a pulse width control output circuit which is equivalent with adjusting a current switching point since once pulse is widened or narrowed, switching point in time also changes, therefore the circuit disclosed by Onozawa et al is capable of the functions described in claim 5.

As to claim 6, Onozawa et al disclose the circuit arrangement wherein the inductor is a coil or a gyrator circuit (Figure 1 element 9, paragraph 4, line 58).

As to claim 8, Onozawa et al disclose a television set comprising a display device according to claim 7 (US 5717296 paragraph 1).

Response to Arguments

4. Applicant's arguments filed on August 12, 2005 have been fully considered but they are not persuasive.

With respect to the applicant's assertion that there is no teaching or suggestion in Onozawa to exclude the S-shaped capacitor 10 from the circuitry, an examiner agrees with this statement however it is important to note that the language of claim 1 includes the word "comprising" what means that the circuitry can more elements in addition to the ones mentioned in claim 1. Furthermore the applicant states that the second S-shaped capacitor 10 is connected between the modulation coil 9 and the pulse width output circuit 81. An examiner disagrees with this statement, according to the figure 1 in the US Patent 5717296, capacitor 10 is placed between the inductor (9) and ground, the

connection of the current control up to the node located directly under the inductor (9), does not have capacitor therebetween.

With respect to the applicant's assertion that it is clear that the second S-shaped capacitor of Onozawa is specifically not required in embodiments of the present invention, an examiner agrees with the applicant, however as it was stated above word "comprising" is open ended, so it can include more limitations in addition to those which are already listed in the body of the claim. An applicant states in amended claims 1 and 7, that there is no trace capacitor coupled between the inductor (9) and the current regulation circuitry (81), and as shown in figure 1, Onozawa also teaches this limitation.

5. Claims 1-8 remain rejected.

The Prior Art

6. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

- US 5469029 discloses the deflection apparatus for raster scanned CRT displays
- US 5357175 discloses the deflection and high voltage circuit
- US 5796217 discloses the picture display apparatus with a soft-start device
- US 5981952 discloses the dynamic focusing apparatus for cathode-ray tube device.

Conclusion

7. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Inquiry

8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Angela M. Lie whose telephone number is 571-272-8445. The examiner can normally be reached on M-F.


If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Don Wong can be reached on 571-272-1834. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Angela M Lie



WILSON LEE
PRIMARY EXAMINER